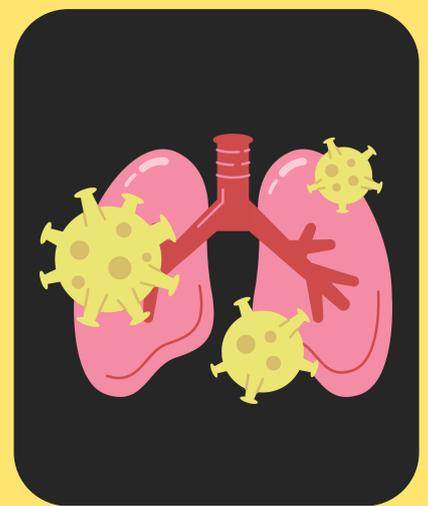
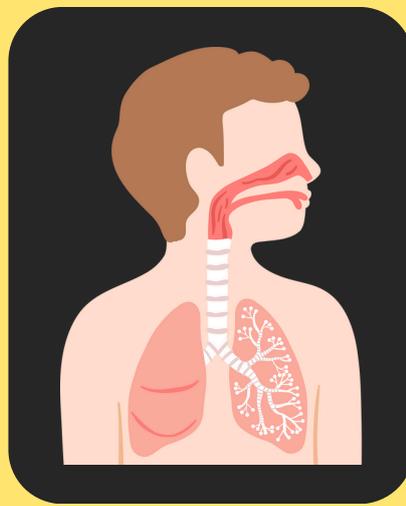
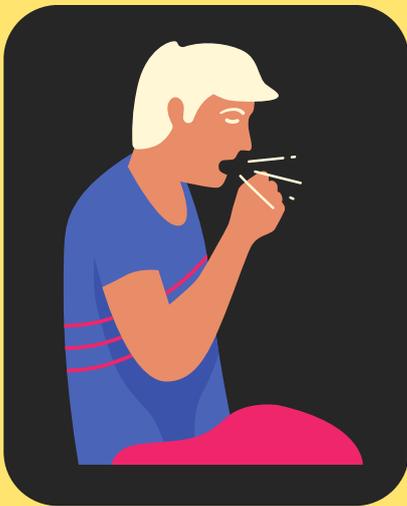


# PARAMEDICAL COURSES

## BSc in Respiratory Care Technology



**Designed for Non-NEET Medical Students**



- When students think of a future in medicine, MBBS is often the first path that comes to mind. However, the medical field is much wider, and there are many other courses that can lead to successful and fulfilling careers in healthcare. These options are not only easier to get into compared to MBBS but also focus on specific skills that are needed in hospitals, labs, and clinics.
- In India, many colleges now offer BSc degrees in different healthcare specialisations. **Radiology and Imaging Technology** is one such course, available in **96** colleges, mostly in **Tamil Nadu, Punjab, and Uttarakhand**. **Dialysis Technology** is offered in **125** colleges, with **Karnataka** and **Tamil Nadu** having the most. For students interested in lab work and testing, **Medical Laboratory Technology** is a good option and is offered in **108** colleges across the country.
- **Forensic Science** is another growing field, now taught in **175** colleges. **Nutrition and Dietetics**, which focuses on food and health, is offered in **149** colleges in both government and private institutions. **Anesthesia and Operation Theatre Technology** is one of the most common programs, with **234** colleges offering it, mainly in **Tamil Nadu** and **Karnataka**. **Optometry**, which deals with eye care, is also popular and is available in **125** colleges, especially in **Karnataka** and **Kerala**.
- These are just a few of the many paramedical courses that students can choose after finishing school. This guide will help you understand what each specific specialisation is about, where you can study it, and what kind of job you can get after completing it. If you're interested in working in the medical field but want an alternative to MBBS, these courses are a great place to start.

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# Introduction

Increased pollution levels in the atmosphere and other environmental factors can lead to severe lung problems. The BSc in Respiratory Care Technology course can help make an impact on patients with breathing or cardiopulmonary disorders. Whether it's a premature baby struggling for their first breath, an accident victim gasping for air, or a COVID-19 patient on life support.

The B.Sc. in Respiratory Care Technology is a specialised branch of allied health science, a 4-year undergraduate program, 3 years of academic learning followed by a 1-year compulsory clinical internship under the supervision of physicians. The curriculum is designed with a blend of theory, simulation labs, and hospital-based clinical postings.

With an increasing emphasis on practical learning, students are trained to make informed and timely decisions that directly impact a patient's survival and recovery. It covers core medical and technical subjects such as Human Anatomy and Physiology, Pathology, Microbiology, Pharmacology (with a focus on respiratory drugs), Pulmonary Diseases, Mechanical Ventilation, Respiratory Therapy Techniques, Critical Care Management, Emergency Procedures, Biomedical Equipment, and Medical Ethics. It combines the use of modern medical technology with the compassion and responsibility required to care for patients in life-critical situations. Students also develop essential skills in patient communication and clinical documentation.

The BSc in Respiratory Care Technology programme equips students with the knowledge and clinical skills required to diagnose, treat, and manage patients with

respiratory and cardiopulmonary disorders. It focuses on the scientific understanding of the human respiratory system and trains students to handle advanced life-support equipment, such as mechanical ventilators, oxygen therapy systems, and nebulisers. The training pattern often aligns with the guidelines provided by institutions like the Indian Association of Respiratory Care (IARC), ensuring industry-standard education and competence.

Graduates can work in government hospitals, private hospitals, trauma centres, cardiopulmonary diagnostic labs, sleep study centres, rehabilitation clinics, and home healthcare services. They help manage patients in intensive care units (ICUs), emergency rooms, neonatal care, and even home healthcare settings. Their work involves operating and managing ventilators, conducting pulmonary function tests, managing oxygen therapy, and performing airway clearance techniques.

After completing a BSc in Respiratory Care Technology degree, you can pursue higher studies such as a Master of Science in Respiratory Therapy, MSc in Respiratory Medicine, postgraduate diplomas in pulmonology or emergency care, or specialized certifications in areas like critical care, pulmonary diagnostics, or sleep medicine.

Without worrying about giving the NEET Exam, dive into the field with passion and compassion towards human care and technology.

# Why choose a BSc in Respiratory Care Technology?

One of the most appealing aspects of a BSc in Respiratory Care Technology is that students do not need to appear for NEET to get admission. The other important reasons why you must study BSc in Respiratory Care Technology are as follows:

## Work in the field of technology and compassion:

In BSc Respiratory Care Technology, you are trained to use advanced medical machines, but more importantly, you'll learn how to comfort a scared patient, support anxious families, and stay calm in emergencies. This human connection is what sets great respiratory therapists apart.

## High Employability Opportunities:

After completing the B.Sc. in Respiratory Care Technology, graduates can work in government and private hospitals, critical care units, emergency and trauma care departments, rehabilitation centres, sleep study labs, home-care companies, and diagnostic labs. They are also in demand as clinical application specialists in medical equipment companies, training doctors and technicians to use respiratory machines and monitoring tools. There are emerging roles in defence medical systems, air evacuation support, and community respiratory wellness programs

## Technical and skill-based learning:

Training in a wide range of diagnostic and life-support techniques such as arterial blood gas (ABG) analysis, oxygen therapy, airway management, ventilator handling, and intubation support. Learn to operate and maintain advanced respiratory devices like BiPAP, CPAP, nebulizers, and ECMO machines. These practical sessions offer clinical exposure to students early on in the program.

## Job Stability and Respect:



With the global rise in respiratory illnesses due to pollution, changing lifestyles, and long-term effects of COVID-19, respiratory therapists are becoming an essential part of healthcare teams in hospitals, emergency units, and intensive care settings. The increasing incidence of respiratory diseases like asthma, chronic obstructive pulmonary disease (COPD), and sleep apnea has led to a growing demand for skilled respiratory care professionals in India and abroad. Saving lives and supporting individuals in their most critical health moments.

## Your qualities that matter:

Respiratory therapists often work with critically ill patients and their families, requiring emotional sensitivity and quick thinking in high-stress environments. Having a compassionate approach, along with technological aptitude and communication skills, makes you a valuable asset in healthcare teams and improves patient outcomes during the recovery process. So if you remain calm under pressure, have a strong sense of empathy, and are detail-oriented oriented this field can be an excellent fit.

## Various Specialisations in Master's program:

Postgraduate degrees such as MSc in Respiratory Therapy, Critical Care Technology, or Public Health. There are also postgraduate diploma programs in Pulmonary Function Testing, Sleep Medicine, or Critical Care Respiratory Support. Certification courses in areas like Mechanical Ventilation, ABG Interpretation, Polysomnography (Sleep Studies), and ECMO (Extracorporeal Membrane Oxygenation) can further sharpen expertise and increase employability.

# BSc in Respiratory Care Technology: Highlights



Feature	Description
<b>Course Name</b>	BSc in Respiratory Care Technology.
<b>Course Duration</b>	A 4-year honours degree with a 1-year compulsory internship.
<b>Eligibility</b>	10+2 with Science stream (physics, chemistry, and Biology) Some universities require English as a compulsory subject.
<b>Core Subjects</b>	Human Anatomy, Physiology, Pathology, and Pharmacology, specialized topics like Mechanical Ventilation, Pulmonary Function Testing, Critical Care, Sleep Medicine, and clinical internship.
<b>Internship</b>	Full-time supervised clinical internship in public or private medical sectors.
<b>Medium of Instruction</b>	English
<b>Mode of Study</b>	Full-time.
<b>Key Skills Gained</b>	Equipment handling and technology, diagnostic skills, empathy, communication and counselling skills, and last but not least, ethical skills.
<b>Career Roles</b>	Respiratory Therapists, Adult Critical Care Specialists, Pulmonary Function Specialists, Clinical Application Therapists, Consultant Pulmonologists, Neonatal Respiratory Care Specialists
<b>Employment Sectors</b>	Government and private hospitals, Universities, private diagnostic labs, MED-TECH companies, and NGO's.
<b>Further Study Options</b>	M.Sc. in Respiratory Therapy, Pulmonary Medicine, Critical Care, or Public Health (MPH) or PG Diplomas in Sleep Medicine, ICU Care, or Respiratory Rehabilitation

# BSc in Respiratory Care Technology: Eligibility

## Qualification Eligibility

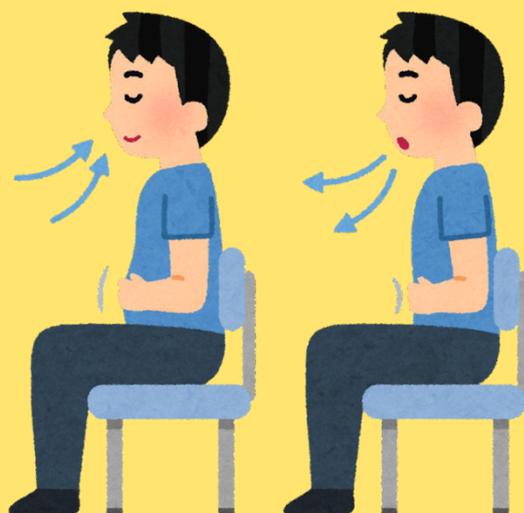
- The candidate must have studied Physics, Chemistry & Biology in class 12th from a recognised board.
- Subject requirements: Some institutions may require an English subject as a prerequisite, as the mode of teaching is English
- Minimum Marks: Most colleges require General category students to secure 50%–60% in their board exam. In some institutions, the aggregate may be calculated based on specific subjects.
- Students in the reserved category (SC/ST/OBC) are usually granted a relaxation of 5%–10% in the minimum qualifying marks.
- The PWD candidates with not less than 40% disability are given relaxations; they are eligible for a 5% relaxation in both qualifying marks and entrance test; these relaxations are as per Government of India norms to ensure inclusive access to higher education.

## Age Eligibility

Candidates must be at least 17 years old before starting the admission Year.

## Entrance Exam

- Some Central and private institutions offer admission based on CUET (Common University Entrance Test) or the AIIMS paramedical exam
- Some state universities conduct entrance exams for all Allied Health Science Courses. (MHT CET, IPU CET)
- Students from open schooling should check directly with colleges to confirm eligibility.



# BSc in Respiratory Care Technology: Admissions

1

## Research and create a list

- Research the list of institutions, and determine if there is an entrance exam or direct admission.
- While searching, gather information on the syllabus of the program, and see if the syllabus aligns with your skills and helps you achieve the goal in educational and career paths.
- Research colleges by location, faculties, facilities, fee structure, internship opportunities, and scholarships.

2

## Check eligibility criteria

- Education qualification: open to Science stream students with a minimum of 50% marks in the board examination, with English subject as a prerequisite.
- The minimum age required by several universities is 17 years by the start of the academic session.
- Visit the official website of the universities for clarification.

3

## Complete the application process

- Visit the official website of the college/university. Complete the registration process and fill out the application forms. For online application, upload scanned copies of your documents (10th and 12th mark sheets, ID proof, passport-size photo, etc.), usually in PDF and JPG format.
- The candidate needs to register their commonly used mobile number/email ID
- Some universities have offline application forms; visit the universities and complete the admission process.
- Pay the application fee online
- Prepare and complete your entrance exam.

4

## Selection procedure

- Government and central university admissions are based strictly on the merit index obtained in the CUET, AIIMS, or the Entrance Exam.
- Some private universities have merit lists based on the board results or their own entrance exam, followed by an interview or counselling
- A few private institutions have direct admission. Register yourself on the official website, fill out all the details, and submit the digital

documents on the portal.

- Some universities also have an interview for admission to the course.
- Few institutions take offline admission, so visit the university and fill out the application form, and complete the admission procedure.

5

## Final Admission

- Institutions require you to submit your original documents for verification. (12th marksheet, 10th marksheet, school leaving certificate, birth certificate)
- Proof of PWD/ESW/Caste Certificate, if applicable.
- Always carry a passport-size photograph; it's essential to complete the application.
- Complete the fee payment.



Always visit the official website of the university for any information or to fill out the application form. Always check the prerequisites before applying to the course and provide them with your working email address and contact details.

### Documents required for verification during admission:

- H.Sc. / 10+2 Mark sheets.
- Conduct and Transfer Certificate & Conduct Certificate from the Institution last studied.
- Birth Certificate / 10th Mark Sheet
- Community Certificate
- Migration Certificate ( if applicable)
- Copy of Aadhaar Card of the Candidate
- Copy of Aadhaar Card of the Parents
- Nativity / Domicile Certificate
- Medical Certificate for Physical Fitness
- Recent passport-size colour photos

# BSc in Respiratory Care Technology: Top Colleges and Fees

State	College Name	Ownership	Course Name	Total Course Fees(₹)
Andhra Pradesh	Dr YSR University of Health Sciences, Vijayawada	Public	B.Sc Respiratory Therapy Technology	16,500
Gujarat	CAM Institute of Allied Health Sciences and Technology, Karamsad	Private	B.Sc Respiratory Care Technology	2,00,000
Haryana	K R Mangalam University, Gurugram	Private	B.Sc Respiratory Technology Hons	9,60,000
Karnataka	Acharya Institute of Allied Health Sciences, Bengaluru	Private	B.Sc Respiratory Care Technology	
Karnataka	BLDE University, Bijapur	Private	B.Sc Respiratory Care Technology	105,000
Karnataka	Cauvery Institute of Health Sciences, Mysuru	Private	B.Sc Respiratory Care Technology	
Karnataka	Christian College, Bangalore	Private	B.Sc Respiratory Care Technology	
Karnataka	Jain Deemed to be University, Bangalore	Private	B.Sc Respiratory Care Technology	
Karnataka	JSS Medical College, Mysore	Private	B.Sc Respiratory Care Technology	
Karnataka	Kasturba Medical College, Mangalore	Private	B.Sc Respiratory Therapy	7,35,000
Karnataka	KS Hegde Medical Academy, Mangalore	Private	B.Sc Respiratory Therapy	4,43,500
Karnataka	Mangala College of Paramedical Sciences, Mangaluru	Private	B.Sc Respiratory Therapy	
Karnataka	Manipal College of Health Professions, Manipal	Private	B.Sc Respiratory Therapy	6,99,000
Karnataka	Manipal College of Health Professions, Manipal	Private	B.Sc Respiratory Therapy Lateral Entry	4,66,000
Karnataka	Manjushree Institute of Health Sciences, Bengaluru	Private	B.Sc Respiratory Care Technology	
Karnataka	Narayana Hrudayalaya Institute of Physiotherapy, Bengaluru	Private	B.Sc Respiratory Care Technology	
Karnataka	RajaRajeshwari Medical College and Hospital, Bangalore	Private	B.Sc Respiratory Care Technology	

State	College Name	Ownership	Course Name	Total Course Fees(₹)
Karnataka	Sapthagiri Institute of Medical Sciences and Research Center, Bangalore	Private	B.Sc Respiratory Care	
Karnataka	Shridevi Institute of Paramedical Science, Tumkur	Private	B.Sc Respiratory Care	
Karnataka	Sri Devaraj Urs Academy of Higher Education and Research, Tamaka	Private	B.Sc Respiratory Care Technology	2,88,000
Karnataka	Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bangalore	Public	B.Sc Respiratory Care Technology	44,370
Karnataka	Unity Academy of Education, Mangalore	Private	B.Sc Respiratory Care Technology	
Karnataka	Yenepoya Medical College, Mangalore	Private	B.Sc Respiratory Care Technology	2,55,000
Karnataka	Yenepoya School of Allied Health Sciences, Mangaluru	Private	B.Sc Respiratory Therapy	6,20,000
Karnataka	Yenepoya University, Bangalore Campus	Private	B.Sc Respiratory Therapy	6,10,000
Kerala	Amrita Vishwa Vidyapeetham, Kochi Campus	Private	B.Sc Respiratory Therapy	905,500
Maharashtra	Dr DY Patil School of Allied Health Sciences, Pune	Private	B.Sc Respiratory Care Technology	3,00,000
Maharashtra	School of Allied Health Sciences, Datta Meghe Institute of Higher Education and Research, Wardha	Private	B.Sc Respiratory Therapy	
Nagaland	Global Open University, Dimapur	Private	B.Sc Respiratory Therapy	24,125
Puducherry	Mahatma Gandhi Medical College and Research Institute, Pondicherry	Private	B.Sc Respiratory Therapy	
Punjab	Bhai Gurdas Institute of Allied Sciences, Gurdaspur	Private	B.Sc Respiratory Care Technology	2,04,500
Rajasthan	NIMS College of Paramedical Technology, NIMS University, Jaipur	Private	B.Sc Respiratory Therapy	2,10,000
Rajasthan	NIMS University, Jaipur	Private	B.Sc Respiratory Therapy	2,80,000
Tamil Nadu	Bhaarith Medical College and Hospital, Chennai	Private	B.Sc Respiratory Care Technology	600,000

State	College Name	Ownership	Course Name	Total Course Fees(₹)
Tamil Nadu	Dhanalakshmi Srinivasan University, Tiruchirappalli	Private	B.Sc Respiratory Therapy	2,86,000
Tamil Nadu	Dharan Institute of Health Sciences, Salem	Private	B.Sc Respiratory Therapy	
Tamil Nadu	Dr MGR Educational and Research Institute, Chennai	Private	B.Sc Respiratory Therapy	5,10,000
Tamil Nadu	Government Thiruvarur Medical College, Thiruvarur	Public	B.Sc Respiratory Therapy	
Tamil Nadu	JKK Nattraja Dental College and Hospital, Komarapalayam	Private	B.Sc Respiratory Therapy	
Tamil Nadu	Nandha College of Allied Health Sciences, Erode	Private	B.Sc Respiratory Therapy	
Tamil Nadu	PPG Institute of Allied Health Sciences, Coimbatore	Private	B.Sc Respiratory Care Technology	
Tamil Nadu	Shri Sathya Sai Medical College and Research Institute, Kancheepuram	Private	B.Sc Respiratory Therapy	3,00,000
Tamil Nadu	Sri Lakshmi College of Allied Health Sciences, Coimbatore	Private	B.Sc Respiratory Therapy	
Tamil Nadu	SRM Medical College Hospital and Research Centre, Chennai	Private	B.Sc Respiratory Therapy	3,00,000
Tamil Nadu	St Joseph University, Chennai	Private	B.Sc Respiratory Care Technology Hons	
Tamil Nadu	Tirunelveli Medical College, Tirunelveli	Public	B.Sc Respiratory Care Technology	
Tamil Nadu	Vijaya Educational Academy, Chennai	Private	B.Sc Respiratory Therapy	90,000
Telangana	Nizams Institute of Medical Sciences, Hyderabad	Public	B.Sc Respiratory Therapy Technology	1,29,750
Uttar Pradesh	Integral University, Lucknow	Private	B.Sc Respiratory Care Technology	1,80,000

Data Source - Institute Websites



## Career Opportunities after a BSc in Respiratory Care Technology

It is practised under the supervision of a licensed physician who specialises in acute respiratory failure and acute respiratory distress syndrome in intensive care, as well as interventional procedures such as bronchial thermoplasty and the placement of stents and chest drains.

### 1. **Respiratory Therapist:**

As a licensed respiratory therapist, you can work in hospitals, clinics, or home care settings. Responsibilities include assessing patients, developing treatment plans, and administering therapies to manage respiratory disorders such as asthma, chronic obstructive pulmonary disease (COPD), and pneumonia.

### 2. **Pulmonary Function Technologist:**

Specialises in assessing lung function by conducting tests such as spirometry, lung volume measurements, and diffusion capacity tests. Pulmonary function technologists work closely with physicians to diagnose respiratory conditions and monitor treatment effectiveness.

### 3. **Sleep Technologist:**

Focus on the diagnosis and treatment of sleep-related breathing disorders, such as sleep apnea. Sleep technologists conduct sleep studies, analyze data, and collaborate with healthcare professionals to develop treatment plans for patients with sleep disorders. Works under the general supervision of a medical director or designated physician.

#### 4. **Clinical Educator:**

Passionate about mentoring and teaching, share your expertise by becoming a clinical educator, teaching respiratory care technology to students in academic institutions or providing training to healthcare professionals in clinical settings. This role is crucial for the ongoing development of the healthcare workforce.

#### 5. **Medical Sales Representative:**

Train doctors, technicians, and hospital staff, helping improve healthcare delivery through advanced technologies. Apply your knowledge of respiratory care technology in the pharmaceutical or medical equipment industry. As a sales representative, you can promote and sell respiratory-related products to healthcare facilities, contributing to improved patient care.

#### 6. **Healthcare Administrator in Respiratory Services:**

With leadership skills, pursue a career in healthcare administration, overseeing respiratory care services within hospitals or healthcare organisations. This role involves managing budgets, coordinating staff, and ensuring the delivery of high-quality respiratory care services.

#### 7. **Cochlear Implant Specialist:**

Contribute to advancements in respiratory care by working as a research assistant or associate. Collaborate with researchers in academic institutions, hospitals, or research organisations to conduct studies, collect data, and analyse findings.

### EXPECTED SALARY RANGE

Job Role	Entry-Level Salary (Annual)
Clinical Educator	
Healthcare Administrator in Respiratory Services:	₹2.0 Lakhs to ₹4.5 Lakhs per year
Research Assistant/Associate:	₹1.0 Lakhs to ₹7.4 Lakhs per year
Respiratory Therapist:	₹2.0 Lakhs to ₹4.5 Lakhs per year
Pulmonary Function Technologist:	
Sleep Technologist:	₹3.0 Lakhs to ₹4.0 Lakhs per year
Medical Sales Representative:	₹1.0 Lakhs to ₹2.7 Lakhs per year



## BSc in Respiratory Care Technology Scope Abroad

Globally, the demand for trained respiratory care technologists is rising due to an aging population and increased prevalence of respiratory diseases. Countries like the USA, Canada, Australia, and the Middle East offer attractive career options for trained respiratory therapists, with opportunities in hospitals, long-term care facilities, and air ambulance services

The U.S. has one of the most advanced healthcare systems, and respiratory therapists are recognised as licensed professionals. The Middle East offers high demand and good salaries for respiratory therapists due to an increase in chronic respiratory diseases and a focus on building modern healthcare infrastructure.

For those aspiring to build international careers, certifications such as the National Board for Respiratory Care (NBRC) in the USA or the Health and Care Professions Council (HCPC) registration in the UK are essential. Apart from job opportunities, many graduates pursue postgraduate studies abroad in Respiratory Therapy, Critical Care, or Public Health, further enhancing their global prospects. With the right certification, experience, and communication skills, respiratory therapists can build a stable, respected, and rewarding career internationally.

### Why Consider Abroad Opportunities?

With a growing need for specialised respiratory care, this field promises job security, competitive salaries, and the chance to make a meaningful impact on patient health worldwide. By working internationally, you gain exposure to diverse healthcare systems, evidence-based practices, and multidisciplinary teamwork, which enhances your knowledge and skills. Exposure to global practices, international patients, and structured training that shapes you into a confident, independent healthcare professional.

Many healthcare systems also offer financial benefits such as tax-free income (especially in the Gulf), housing allowances, health insurance, and career progression pathways. International opportunities often come with higher salaries, better career advancement prospects, and access to a broader network of healthcare professionals.

## Countries With High Demand for Respiratory Care Technology Experts

Country	Opportunities Available	Additional Requirements
Germany	Hospitals (ICU, pulmonology, rehabilitation), respiratory clinics, home care, and critical units.	Postgraduate or Doctoral and German language proficiency
USA	ICUs, emergency departments, pulmonary labs, home care settings, and sleep study centers	Master's or equivalent + NBRC certification (CRT/RRT) + state licensure
UK	NHS hospitals, rehabilitation centers, home care, respiratory clinics, and respiratory support programs	Postgraduate + HCPC registration (for therapy roles), clinical experience, often preferred.
UAE	Major hospitals, private respiratory clinics, rehabilitation centers, and critical care units.	MOH/DHA/HAAD license, a Bachelor's degree, sufficient experience + 2 years of clinical supervision.
Australia	Hospitals, respiratory rehabilitation centers, home care, community health services, or Pulmonary function labs.	Master's + ASRS recognition or AHPRA registration, clinical experience, IELTS/English proficiency test for non-native speakers.
New Zealand	Respiratory care departments, sleep centers, hospitals, and chronic care units	M.Sc. degree + Registration with the Medical Sciences Council of New Zealand + IELTS

## Popular Higher Study Options Abroad after BSc in Respiratory Care Technology

- Master's in Respiratory Therapy / Respiratory Care:** This program focuses on advanced knowledge and clinical expertise in Advanced airway management, mechanical ventilation, cardiopulmonary diagnostics, leadership, research methods, and disease management.
- Master's in Cardiopulmonary Sciences / Pulmonary Medicine:** The course content is Pulmonary pathophysiology, diagnostic tools (PFT, imaging), interventional pulmonology, critical care, and research skills that cover the integrated study of heart and lung physiology, focusing on diagnostic and therapeutic techniques for cardiopulmonary disorders.
- Master of Public Health (MPH):** Work at the community level by gaining knowledge in epidemiology, biostatistics, environmental health, social determinants, health policy/management, and ethics. Responsible for Public health policy, epidemiology, and outreach.

- **MSc in Critical Care / Intensive Care Nursing:** Manage rapid response team and protocol with advanced care for critically ill patients, focusing on intensive care unit (ICU) protocols, emergency response, and advanced life support.
- **MSc in Clinical Physiology / Pulmonary Physiology:** Study Respiratory & cardiovascular physiology, PFT, sleep physiology, exercise testing, clinical diagnostic methods, research thesis or project. Training also includes diagnostic testing and research in pulmonary function.
- **MSc in Biomedical Science / Medical Physiology:** Course includes Advanced cell & molecular biology, physiology, immunology, pharmacology, lab techniques, research thesis, clinical trial methodology. Emphasizes research, laboratory skills, and the application of biomedical science in healthcare.

#### **PG Diploma or other certification courses:**

- PG Diploma in Pulmonology or Respiratory Therapy
- PG certificate in Sleep Technology.
- Diploma in Critical Care Technology.
- Advanced Certification in Respiratory Technology
- Postgraduate Certificate in Respiratory Care in Nursing Practice
- PG Diploma in Pathologies & Respiratory Rehabilitation

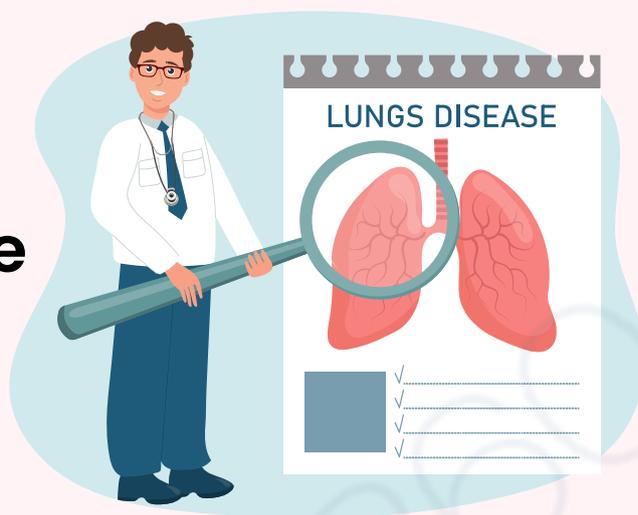
### **What You'll Need to Work Abroad?**

- Strong academic performance in BSc
- Offer letter from the organization
- English/ language proficiency test scores (IELTS/TOEFL)
- Credential assessment (WES for Canada/USA, UK NARIC, etc.)
- Work permit or student visa
- Police verification
- Registration under the state
- Sometimes, additional local certifications or a master's degree

### **Soft Skills That Matter Internationally**

- Strong communication skills
- Cultural sensitivity and ethical conduct
- Analytical thinking
- Endurance.
- Ability to work in diverse teams
- Ethical and counselling skills.
- Adaptability to new legal systems and technologies

# BSc in Respiratory Care Technology: FAQs



**Q1. What is the BSc in Respiratory Care Technology course, and its duration?**

**A:** BSc in Respiratory Care Technology is a 4-year undergraduate allied health science course offering a 1-year clinical internship under supervision in Public and private hospitals and clinics.

**Q2. Do I need to appear for the NEET Exam to enroll in the BSc Respiratory Care Technology course?**

**A:** No. The NEET Exam is not a prerequisite for admission to the BSc in Respiratory Care Technology program. Central and some government universities conduct CUET/AIIMS, while private universities might have their own entrance exam. A few universities also offer direct admissions.

**Q3. What subjects should I have in Class 12 to be eligible?**

**A:** Students from the science stream are eligible for admission in the BSc in Respiratory Care Technology with subjects like Physics, Chemistry, and Biology. Some institutions may ask for English as a compulsory subject.

**Q4. What subjects are taught in the BSc in Respiratory Care Technology course?**

**A:** This course focuses on providing theoretical and practical knowledge in subjects such as Human Anatomy, Physiology, Respiratory Therapy, Pulmonary Diseases, Mechanical Ventilation, Critical Care, and Clinical Practicals.

**Q5. What are the options available after completing a BSc in Respiratory Care Technology undergraduate program?**

**A:** You can pursue an MSC in Respiratory Care, Pulmonary Medicine, or Public Health, or go with a Post Graduate Diploma program according to your specialisation.

Q6. What are the career paths available after a BSc in Respiratory Care Technology?

A: Opportunities in Hospitals, clinics, home care, nursing homes, or universities are available for Respiratory Therapist, Pulmonary Function Technologist, Sleep Lab Technician, ICU/ Critical Care Specialist, Medical Device Application Specialist, Home Healthcare Consultant, or Clinical Educator.

Q7. Can I pursue this course online or through distance learning?

A: NO, as a BSc in Respiratory Care technology degree focuses on providing clinical training, so this course is offered in regular mode with a full-time degree only.

Q8. Can I get a government job with this degree?

A: Yes, you can start working in state or central government hospitals, or become a teacher in government universities. You can also become a part of the Defense & Railways Medical Services.

Q9. Can I work abroad after completing an Undergraduate program in BSc in Respiratory Care Technology in India?

A: Absolutely, but you need to focus on:

- Clear local certification exams
- Complete a master's degree or a bridge course
- Pass English proficiency tests like IELTS or TOEFL
- Get your degree verified by credentialing bodies (like WES)

Q.10: What is the salary I can get after completing a BSc in Respiratory Care Technology?

A: Depending upon the institution, the starting salary can range from 3lpa to 5lpa initially, with experience in the work can lead to a range of 10 to 15lpa.



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